

We Claim:

1. An oil absorbing wipe material suitable for wiping a users skin comprising an oil absorbing porous substrate having two faces wherein the substrate has a transparency of less than 65 percent which porous substrate changes transparency upon absorption of oil, said porous substrate having a generally non-tacky flexible coating on at least a portion of at least one face, said coating comprising a film forming polymer with at least one additional additive which coating is visible on the coated face of the porous substrate and which coating does not penetrate to the opposite face of the porous substrate.

2. The oil absorbing wipe material of claim 1 wherein the oil absorbing wipe is a filmlike thermoplastic material.

3. The oil absorbing wipe material of claim 1 wherein the oil absorbing wipe is a consolidated oil absorbing paper wipe.

4. The oil absorbing wipe material of claim 1 wherein the coating comprises at least a film forming polymer and a particulate filler.

5. The oil absorbing wipe material of claim 4 wherein the particulate filler comprises 35 to 55 percent by weight of the coating and has an average particle size of from 0.1 to 30 microns.

6. The oil absorbing wipe material of claim 5 wherein the film forming polymer is at lease a partially water soluble film forming polymer.

7. The oil absorbing wipe material of claim 5 wherein the film forming polymer is at least a partially water insoluble film forming polymer.

8. The oil absorbing wipe material of claim 1 wherein the film forming polymer coating penetrates from 10 to 90 percent of the thickness of the oil absorbing porous substrate.

9. The oil absorbing wipe material of claim 8 wherein the film forming polymer coating penetrates from 20 to 80 percent of the thickness of the oil absorbing porous substrate.

10. The oil absorbing wipe material of claim 1 wherein the additional film forming polymer comprises polyvinylpyrrolidone.

11. The oil absorbing wipe material of claim 1 wherein the additional additive is an active or skin modifying agent.

12. The oil absorbing wipe material of claim 11 wherein the active or skin modifying agent is salicylic acid.

13. The oil absorbing wipe material of claim 1 wherein the coating additive comprises nonactive agents.

14. The oil absorbing wipe material of claim 1 wherein the coating further comprises a gelling agent.

15. The oil absorbing wipe material of claim 1 wherein the coating further comprises a filler.

16. The oil absorbing wipe material of claim 8 wherein the oil absorbing porous sheet comprises a porous stretched film made of a thermoplastic material.

17. The oil absorbing wipe material of claim 16 wherein interstitial volume per unit area of said porous stretched film is in the range of 0.0001-0.005 cm³ as calculated by the following equation:

interstitial volume per unit area = [film thickness (cm) x 1 (cm) x void content (%)]/100
(where the void content is the percentage of voids in the porous film).

18. The oil absorbing wipe material of claim 16 wherein the void content of said porous stretched film is in the range of 5-50% and the film thickness is in the range of 5-200 μm .

19. The oil absorbing wipe material of claim 16 wherein the porous film comprises a thermoplastic polymer film having from 20 to 60 percent by weight of a filler.

20. The oil absorbing wipe material of claim 19 wherein the porous film contains a non-particulate filler.

21. The oil absorbing wipe material of claim 20 wherein the non-particulate filler is mineral oil.

22. The oil absorbing wipe material of claim 16 wherein the porous film voids have an average size is in the range of from 0.2 to 5.0 microns (μm).

23. The oil absorbing wipe material of claim 17 wherein the interstitial volume per unit area is from 0.0002 to 0.001 cm^3 .

24. The oil absorbing wipe material of claim 1 wherein the porous oil absorbing wipe comprises a consolidated melt-blown web of thermoplastic fibers.

25. The oil absorbing wipe material of claim 1 wherein the porous oil absorbing sheet has an opacity value of about 65 or less when oil free, and which web changes transparency by at least 30 percentage points when loaded with about 6 grams or less of oil per square centimeter.

26. The oil absorbing wipe material claim 24 wherein the thermoplastic fibers are polyolefin microfibers.

27. The oil absorbing wipe material of claim 24 wherein the thermoplastic fibers are polypropylene microfibers.

28. The oil absorbing wipe material of ~~claim 24~~ wherein the thermoplastic fibers have an average diameter of about 10 micrometers or less, and the wipe has a basis weight of about 40 gm/m² or less.

29. The oil absorbing wipe material of ~~claim 25~~ wherein the wipe, when it has changed transparency, has a transparency of about 90 or greater.

30. The oil absorbing wipe material of ~~claim 25~~ wherein the web changes in transparency by 35 or more when loaded with about 6 grams or less of oil per square meter.

31. The oil absorbing wipe material of ~~claim 24~~ wherein the wipes have a void volume of from 40 to 80 percent.

32. The oil absorbing wipe material of ~~claim 24~~ wherein the wipes have a void volume of from 45 to 75 percent.

33. The oil absorbing wipe material of ~~claim 24~~ wherein the wipes have a void volume of from 50 to 70 percent.

34. The oil absorbing wipe material of ~~claim 24~~ wherein the average pore size of the wipe material is from 3 to 15 microns.

35. The oil absorbing wipe material of ~~claim 24~~ wherein the average pore size of the wipe material is from 3 to 12 microns.

36. The oil absorbing wipe material of ~~claim 24~~ wherein the average pore size of the wipe material is from 4 to 8 microns.

37. The oil absorbing wipe material of ~~claim 24~~ wherein the wipes have an oil absorption capacity of from 0.7 to 6 mg/cm².

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38. The oil absorbing wipe material of claim 24 wherein the wipes have a basis weight of from 10 to 30 gm/m².

5 39. The oil absorbing wipe material of claim 1 wherein the wipes have a Hand of 8 grams or less.

40. The oil absorbing wipe material claim 1 wherein the wipes have a Hand of 1 to 6 grams or less.

10 41. The oil absorbing wipe material of claim 1 wherein the coating is uniformly provided on at least a portion of one face of the oil absorbing wipe product.

42. The oil absorbing wipe material of claim 41 wherein the coating is provided on from 50 to 100 percent of one face of the oil absorbing wipe.

43. The oil absorbing wipe material of claim 42 wherein the coating is continuous.

20 44. The oil absorbing wipe material of claim 42 wherein the coating is pattern coating.

45. A method for forming a flexible coating on an oil absorbing wipe material suitable for wiping a users skin comprising providing an oil absorbing porous substrate having two faces wherein the substrate has a transparency of less than 65 percent which porous substrate changes transparency upon absorption of oil, coating the porous substrate on at least a portion of at least one face with a coating solution comprising at least a film forming polymer, a particulate filler and an evaporative solvent with at least one additional additive, the coating solution having a viscosity of from 2000 to 100,000 cps and a percent solids of 60 to 80 percent wherein the coating is visible on the coated face of the porous substrate and which coating does not penetrate to the opposite face of the porous substrate.

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46. The method of forming an oil absorbing wipe material of claim 45 wherein the oil absorbing wipe is a film-like thermoplastic material and the coating solution has a viscosity of from 3000 to 50,000.

5 47. The method of forming an oil absorbing wipe material of claim 45 wherein the oil absorbing wipe is a consolidated oil absorbing paper wipe and the coating solution has a viscosity of from 10,000 to 100,000.

10 48. The method of forming an oil absorbing wipe material of claim 45 wherein the coating comprises at least a film forming polymer and a particulate filler such that the dried coating has 35 to 55 percent particulate filler to other nonparticulate solids said filler having an average particle size of from 0.1 to 30 microns.

15 49. The method of forming an oil absorbing wipe material of claim 48 wherein the particulate filler comprises 40 to 50 percent by weight of the solids.

50. The method of forming an oil absorbing wipe material of claim 49 wherein the film forming polymer is at least a partially water soluble film forming polymer.

20 51. The method of forming an oil absorbing wipe material of claim 49 wherein the film forming polymer coating is at least a partially water insoluble film forming polymer.

25 52. The method of forming an oil absorbing wipe material of claim 45 wherein the film forming polymer coating penetrates from 10 to 90 percent of the thickness of the oil absorbing porous substrate.

30 53. The method of forming an oil absorbing wipe material of claim 52 wherein the film forming polymer coating penetrates from 20 to 80 percent of the thickness of the oil absorbing porous substrate.

54. The method of forming an oil absorbing wipe material of claim 45 wherein the film forming polymer comprises polyvinylpyrrolidone.

55. The method of forming an oil absorbing wipe material of claim 45 wherein the additional additive is an active or skin modifying agent.

56. The method of forming an oil absorbing wipe material of claim 55 wherein the active or skin modifying agent is salicylic acid.

57. The method of forming an oil absorbing wipe material of claim 45 wherein the coating further comprises a gelling agent.

58. The method of forming an oil absorbing wipe material of claim 45 wherein the coating is uniformly provided on at least a portion of one face of the oil absorbing wipe product.

59. The method of forming an oil absorbing wipe material of claim 58 wherein the coating is provided on from 50 to 100 percent of one face of the oil absorbing wipe.

60. The method of forming an oil absorbing wipe material of claim 59 wherein the coating is continuous.

61. The method of forming an oil absorbing wipe material of claim 59 wherein the coating is a pattern coating.

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